

AMENDMENTS TO THE CLAIMS:

1. (Currently Amended) A coupled circulation tube for ball screw unit being formed of two symmetrically coupled bearing, comprising:

an arcuate bent tube formed of first and second arcuate integral elbow bent tubes coupled together and ends thereof installed on respective circulation holes on a formed on the planar surface at one side of the ball screw bearing, each circulation tube being jointed to two circulation holes; and

each of said two symmetrical half tubes being provided a plurality of recessed grooves and flanges interposely formed longitudinally on said first and second half bent tubes arrayed one after another along the longitudinal tube wall to couple the two half tubes together in a geometrically staggered manner facing against each other such that said half bent tubes are coupled successively with each other with opposing ones of the grooves and flanges interlocking together into a resultant U-shaped U-shaped arcuate elbow tube for ball circulation therein, and wherein the flanges interlocked into respective ones of the grooves form parts of inner and outer walls of the U-shaped arcuate elbow tube such that it is firmly constructed with desired toughness and free form deformation.

2. (Original) The coupled circulation tube of claim 1, wherein said coupled circulation tube is formed of a metallic material.

3. (Original) The coupled circulation tube of claim 2, wherein said coupled circulation tube is formed of a rigid metallic material.

Application No.: 10/029,273
Group Art Unit: 3679
Examiner: David BOCHNA

4. (Currently Amended) The coupled circulation tube of claim 1, wherein said two half tubes are coupled with each other by [[a]] the plurality of recessed grooves and flanges.

Claim 5 (Cancelled)